APPENDIX

1. Cancelled.

2. A hybrid optical recording disc with copy protection for use in a computer, the disc having a substrate and a recording layer disposed over the substrate, the substrate having a mastered read-only memory (ROM) area and which includes addressing tracks dedicated to contain disc addressing data which govern read and record processes to and from a computer, and program tracks dedicated to contain computer software programs, and the substrate having a recordable area for recording therein data generated by a computer user and for reading such recorded data from the recordable area to a computer, comprising:

 a) the addressing tracks of the ROM area include at least one disc identifier sub-code track containing disc identifier data embedded therein such that the disc identifier data will authenticate the installed disc addressing data and computer software programs for operation in the computer from the hybrid optical recording disc but will not be transferred, thereby providing protection against copying the disc;

 b) the program tracks of the ROM area include at least one program identifier track containing program identifier data embedded therein which identify the computer software programs; and

 c) the recordable area includes at least one software identifier track containing software identifier data recorded therein of the computer software programs which are included in the program tracks of the ROM area of the hybrid optical recording disc.

3. Cancelled.

4. The hybrid optical recording disc of claim 2 wherein the recordable area of the hybrid optical recording disc includes a recordable program area for recording therein data generated by a computer user and for reading such recorded data from the recordable program area to the computer.

5. A method of providing a hybrid optical recording disc with copy protection for use in a computer, comprising the steps of:

 a) mastering a read-only memory (ROM) area and a recordable area on a disc substrate so that the ROM area includes addressing tracks and program

tracks, the addressing tracks including at least one disc identifier sub-code track for embedding therein authenticating disc identifier data which will not be transferred from the computer when installing the disc in the computer, thereby providing protection against copying the disc, the program tracks of the ROM area including at least one program identifier track containing program identifier data embedded therein which identify computer software programs contained in the ROM program tracks;

b)   coating an optical recording layer over the mastered disc substrate; and

c)   recording in a designated software identifier track of the recordable area a software identifier, the software identifier recording step being implemented in correspondence with the software programs included in the program tracks of the disc's ROM area, the software identifier also being provided to a computer user and corresponding to a hybrid optical recording disc having selected software program titles contained in the program tracks of the ROM area.

6.   The hybrid optical recording disc of claim 2 wherein the disc identifier data are embedded in a disc identifier sub-code track within a lead-in area of the ROM area.

7.   Cancelled.

8.   Cancelled.

9.   A hybrid optical recording disc having copy protection for use in a computer, comprising:

(a)   a read-only area having preformed information including at least one program and disc identifier data, the disc identifier data being adapted to authenticate a transferred program in the computer to permit the program to be operated by the computer, said disc identifier data being identical to disc identifier data on a plurality of other discs; and

(b)   a recordable area including at least one software identifier track containing software identifier data recorded therein of the computer software

programs which are included in the program tracks of the ROM area of the hybrid optical recording disc, said software identifier data being unique and different for each disc with the same disc identifier data.

10. A hybrid optical recording disc with copy protection for use in a computer, the disc having a substrate and a recording layer disposed over the substrate, the substrate having a mastered read-only memory (ROM) area and which includes addressing tracks dedicated to contain disc addressing data which govern read and record processes to and from a computer, and program tracks dedicated to contain computer software programs, and the substrate having a recordable area for recording therein data generated by a computer user and for reading such recorded data from the recordable area to a computer, comprising:

a) the addressing tracks of the ROM area include at least one disc identifier sub-code track containing disc identifier data embedded therein such that the disc identifier data will authenticate the installed disc addressing data and computer software programs for operation in the computer from the hybrid optical recording disc but will not be transferred, thereby providing protection against copying the disc, said disc identifier data being identical to disc identifier data on a plurality of other discs;

b) the program tracks of the ROM area include at least one program identifier track containing program identifier data embedded therein which identify the computer software programs; and

c) the recordable area includes at least one software identifier track containing software identifier data recorded therein of the computer software programs which are included in the program tracks of the ROM area of the hybrid optical recording disc, said software identifier data being unique and different for each disc with the same disc identifier data.

11. A hybrid optical recording disc with copy protection for use in a computer, the disc having a substrate and a recording layer disposed over the substrate, the substrate having a mastered read-only memory (ROM) area and which is comprised of one or more of the group consisting of a power

calibration area (PCA), a program memory area (PMA), a lead-in area, a program area, and a lead-out area, and the substrate having a recordable area for recording therein data generated by a computer user and for reading such recorded data from the disc to a computer, comprising:

a)   the lead-in area of the ROM area includes addressing tracks dedicated to disc addressing data which govern read and record processes to and from a computer;

b)   a disc identifier sub-code track containing disc identifier data embedded in one of said power calibration area (PCA), a program memory area (PMA), an addressing track of said lead-in area therein, such disc identifier data authentication for computer operation but will not be transferred from the computer to thereby provide protection against copying the disc, said disc identifier data being identical to disc identifier data on a plurality of other discs;

c)   the program area of the ROM area contains program tracks dedicated to program data corresponding to computer software programs and such program data will be transferred to a memory device of a computer when

installing the hybrid optical recording disc on the computer;

d)   the program area of the ROM area includes at least one program identifier track containing program identifier data embedded therein which identifies the computer software programs;

e)   the lead-out area of the ROM area contains data instructing a computer of a termination of the ROM program area and data indicating a start of a new lead-in area associated with a recordable area of the hybrid optical recording disc; and

f)   the recordable area of the disc includes at least one software identifier track in the recordable area, the software identifier track containing software identifier data recorded therein of the computer software programs which are included in the program tracks of the ROM area of the disc, such software identifier data being provided to a computer user, thereby enabling installation of the disc's software program data on a computer and said software identifier data being unique and different for each disc with the same disc identifier data.

12.   The hybrid optical recording disc of claim 11 wherein the recordable area of the hybrid optical recording disc includes a recordable program area for recording therein data generated by a computer user and for reading such recorded data from the recordable program area to the computer.

13.   A method of providing a hybrid optical recording disc with copy protection for use in a computer, comprising the steps of

a)   mastering a read-only memory (ROM) area and a recordable area on a disc substrate so that the ROM area includes addressing tracks and program tracks, the addressing tracks including at least one disc identifier sub-code track for embedding therein authenticating disc identifier data which will not be transferred from the computer when installing the disc in the computer, thereby providing protection against copying the disc, the program tracks of the ROM area including at least one program identifier track containing program identifier data embedded therein which identify computer software programs contained in the ROM program tracks;

b)   coating an optical recording layer over the mastered disc substrate; and

c)   recording in a designated software identifier track of the recordable area a software identifier, the software identifier recording step being implemented in correspondence with the software programs included in the program tracks of the disc's ROM area, the software identifier also being provided to a computer user and corresponding to a hybrid optical recording disc having selected software program titles contained in the program tracks of the ROM area.

14.   The hybrid optical recording disc of claim 13 wherein said disc identifier data is identical to disc identifier data on a plurality of other hybrid optical recording discs, said software identifier data is unique and different for each disc with the same disc identifier data.

15.   The hybrid optical recording disc of claim 10 wherein the disc identifier data are embedded in a disc identifier sub-code track within a lead-in area of the ROM area.